

# Ram A Vishwakarma

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

577  
citations

623734

14  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

908  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stereoselective Synthesis of Nonpsychotic Natural Cannabidiol and Its Unnatural/Terpenyl/Tail-Modified Analogues. <i>Journal of Organic Chemistry</i> , 2022, 87, 4489-4498.  | 3.2 | 13        |
| 2  | Total Synthesis and Conformational Analysis of Naturally Occurring Lipovelutibols along with Lead Optimization of Lipovelutibol D. <i>ACS Omega</i> , 2021, 6, 6070-6080.   | 3.5 | 1         |
| 3  | Strategies to target SARS-CoV-2 entry and infection using dual mechanisms of inhibition by acidification inhibitors. <i>PLoS Pathogens</i> , 2021, 17, e1009706.  | 4.7 | 42        |
| 4  | Chemical analysis of saffron by HPLC based crocetin estimation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113094.   | 2.8 | 25        |
| 5  | Total Synthesis of Phospholipomannan of <i>Candida albicans</i> . <i>Journal of Organic Chemistry</i> , 2020, 85, 7757-7771.  | 3.2 | 8         |
| 6  | Transformation of Santonin to a Naproxen Analogue with Anti-Inflammatory Activity. <i>Journal of Natural Products</i> , 2019, 82, 1710-1713.  | 3.0 | 4         |
| 7  | Discovery of Quinazolin-4(3 <i>H</i> )-ones as NLRP3 Inflammasome Inhibitors: Computational Design, Metal-Free Synthesis, and in Vitro Biological Evaluation. <i>Journal of Organic Chemistry</i> , 2019, 84, 5129-5140.  | 3.2 | 44        |
| 8  | Introducing Oxo-Phenylacetyl (OPAc) as a Protecting Group for Carbohydrates. <i>Journal of Organic Chemistry</i> , 2019, 84, 4131-4148.   | 3.2 | 10        |
| 9  | Lipovelutibols: Cytotoxic Lipopeptaibols from the Himalayan Cold Habitat Fungus <i>Trichoderma velutinum</i> . <i>Journal of Natural Products</i> , 2018, 81, 219-226.  | 3.0 | 30        |
| 10 | Discovery and Preclinical Development of IIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1664-1687.   | 6.4 | 39        |
| 11 | Establishment of LCMS Based Platform for Discovery of Quorum Sensing Inhibitors: Signal Detection in <i>Pseudomonas aeruginosa</i> PAO1. <i>ACS Chemical Biology</i> , 2018, 13, 657-665.   | 3.4 | 19        |
| 12 | Orally Effective Aminoalkyl 10 <i>H</i> -indolo[3,2- <i>b</i> ]quinoline-11-carboxamide Kills the Malaria Parasite by Inhibiting Host Hemoglobin Uptake. <i>ChemMedChem</i> , 2018, 13, 2581-2598.  | 3.2 | 11        |
| 13 | Room Temperature Metal-Catalyzed Oxidative Acylation of Electron-Deficient Heteroarenes with Alkynes, Its Mechanism, and Application Studies. <i>Journal of Organic Chemistry</i> , 2018, 83, 12420-12431.  | 3.2 | 25        |
| 14 | Why Are the Majority of Active Compounds in the CNS Domain Natural Products? A Critical Analysis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10345-10374.  | 6.4 | 67        |
| 15 | Preclinical Development of Crocus sativus-Based Botanical Lead IIM-141 for Alzheimer's Disease: Chemical Standardization, Efficacy, Formulation Development, Pharmacokinetics, and Safety Pharmacology. <i>ACS Omega</i> , 2018, 3, 9572-9585.                    | 3.5 | 26        |
| 16 | Identification of Potent and Selective CYP1A1 Inhibitors via Combined Ligand and Structure-Based Virtual Screening and Their in Vitro Validation in Sacchrosomes and Live Human Cells. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 1309-1320. | 5.4 | 36        |
| 17 | Exploring Derivatives of Quinazoline Alkaloid <i>l</i> -Vasicine as Cap Groups in the Design and Biological Mechanistic Evaluation of Novel Antitumor Histone Deacetylase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3484-3497.                | 6.4 | 18        |
| 18 | Metal-free Cross-Dehydrogenative Coupling of <i>N</i> -azoles with $\hat{I}\pm$ -C(sp <sup>3</sup> )-H Amides via C-H Activation and Its Mechanistic and Application Studies. <i>Journal of Organic Chemistry</i> , 2017, 82, 1000-1012.                          | 3.2 | 41        |

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|----|---|-----|-----------|
| 19 | Biotransformation of Chrysin to Baicalein: Selective C6-Hydroxylation of 5,7-Dihydroxyflavone Using Whole Yeast Cells Stably Expressing Human CYP1A1 Enzyme. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7440-7446. | 5.2 | 13        |
| 20 | Design of Novel 3-Pyrimidinylazaindole CDK2/9 Inhibitors with Potent In Vitro and In Vivo Antitumor Efficacy in a Triple-Negative Breast Cancer Model. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9470-9489.                   | 6.4 | 39        |
| 21 | <i>Crocus sativus</i> Extract Tightens the Blood-Brain Barrier, Reduces Amyloid $\beta^2$ Load and Related Toxicity in 5XFAD Mice. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1756-1766.   | 3.5 | 66        |